

marketing issues in the computer world, most Americans are still limited to this 40-bit strength encryption as well, because our companies develop one product for worldwide distribution.

What will it take for the federal government to learn that consumers are opposed to having "Big Brother" interfere with their technology choices. We all remember the failed Administration attempts on Clipper I and Clipper II. Yet, the federal government persists in its efforts to peek into the private lives of law-abiding American citizens. The latest salvo by FBI Director Louis Freeh in demanding government mandated encryption for domestic users is the latest example of government obstruction of private decisions by American consumers and business opportunities for American innovators. If Director Freeh gets his way, the federal government will have even greater authority to peer and peek into the private lives of American citizens. "Big Brother" as feared by law-abiding Americans has a powerful champion at the Federal Bureau of Investigation.

While this war of attrition is taking place, we are losing in the trenches. Foreign vendors are happily supplying stronger 128-bit encryption to our foreign purchasers. Some of these vendors have publicly thanked the U.S. government for helping them to develop thriving businesses. Importantly, current U.S. policy represents a surrender of an industry where our innovative workers and companies are technologically superior. We are surrendering jobs and economic opportunities both today and for the long term. There are many examples from my own State of Washington, usually small start-up firms eager to grow, diversify and develop new high-tech applications in computer hardware and software. These firms regularly point out to me the names and business histories of their foreign competitors that have gladly taken business opportunities from Washington firms restricted by ineffective government mandates.

It is time for the United States to acknowledge that we no longer exclusively control the pace of technology. Purchasers around the world can download software off of the Internet from any country by simply accessing a website. Foreign purchasers have turned to Russian, German, Swiss and other foreign vendors for their encryption needs. We are truly trying to put the genie back in the bottle—a genie so nimble that it can transfer in seconds from one location to another using a modem over a traditional telephone line.

U.S. law enforcement seems to believe that Americans will recapture this market once our industry has developed key recovery systems for 128-bit or stronger encryption technology. This is extremely naive in my opinion. All the world will know that the U.S. government approved export technology will enable U.S. law enforcement to view encrypted information.

Most foreigners believe the U.S. government will use this capability to spy on them; for law enforcement, political and economic information. Foreigners will simply buy elsewhere, period. It's pretty simple to me. What foreign entity would want to surrender information to the U.S. government when they can easily avoid this by purchasing someone else's product?

Again, I turn to the approach advocated by Senator BURNS and Senator LEAHY. S. 909 as adopted by the Senate Commerce Committee simply does not go far enough. While it makes some minor modifications to export controls, it also goes in the totally wrong direction by starting down the path of domestic controls on encryption.

Washington state and American companies deserve the opportunity to compete free from government restrictions. Their role in the international marketplace should be determined by their ingenuity and creativity rather than an outdated, ineffectual system of export controls. The time to act is now, the longer we wait, the further behind America gets on this issue.●

RECOGNITION OF GIRL SCOUT GOLD AWARD RECIPIENTS

● Mr. JOHNSON. Mr. President, I want to take this opportunity today to recognize Misty Hansen of Girl Scout Troop 1080. Misty is an outstanding young woman who has received the Girl Scout Gold Award from the Nyoda Girl Scout Council in Huron, South Dakota. The Girl Scout Gold Award is the highest achievement award in U.S. Girl Scouting. This award exemplifies her outstanding feats in the areas of leadership, community service, career planning and personal development.

Misty is one of just 20,000 Gold Award recipients since the creation of the program in 1980. In order to receive this award, Misty completed the many Gold Award requirements. She earned three interest project patches: the Career Exploration Pin, the Senior Girl Scout Leadership Award and the Senior Girl Scout Challenge. Also, she created and executed a Girl Scout Gold Award project which included researching the history of the first 30 years of the Nyoda Girl Scout Council.

Mr. President, I feel Misty deserves public recognition for her tremendous service to her community and her country. I offer my congratulations to her for her hard work and effort in reaching this milestone.●

JOSEPH HENRY, THE SMITHSONIAN AND FREDERICK SEITZ

Mr. MOYNIHAN. Mr. President, Friday, the 7th of November 1997, on the occasion of the bicentennial of the birth of Joseph Henry, the Joseph Henry Medal was presented to Dr. Frederick Seitz at a dinner of the Smithsonian Council. Clearly, this was a special occasion, and it was singularly appropriate that Frederick

Seitz should be the honoree. The citation of the splendid gold medal reads:

The Board of Regents gratefully presents the Joseph Henry Medal to Frederick Seitz in recognition of his manifold contributions to The Smithsonian Institution. His advancement of the Smithsonian's research and educational programs in the sciences, history, and the history of science has exemplified the ideals of James Smithson's mandate . . . "for the increase and diffusion of knowledge."—May 4, 1997.

Having received the medal, Dr. Seitz, with his enormous erudition and no less prodigious self-effacing manner, presented a paper of great interest. Entitled, Joseph Henry: 200th Anniversary of Birth, he wrote of the belated appearance of science as a large-scale activity in the American Republic, but also of four early pioneers: Benjamin Franklin, Benjamin Thompson, Henry A. Rowland, and Joseph Henry himself. Which of us would know that Franklin discovered the Gulf Stream? That is just one of the absorbing details of this fascinating disquisition. I ask that it be printed in the RECORD in honor of Frederick Seitz, Joseph Henry, and all that splendid company.

The material follows:

JOSEPH HENRY; 200TH ANNIVERSARY OF BIRTH

When I first heard the rumor that I would receive the Joseph Henry Medal on this special anniversary, I assumed it was a case of mistaken identity. Very friendly calls from Senator Moynihan, Homer Neal and Marc Rothenberg, however, finally carried conviction. Needless to say I will continue to experience a sense of awe in playing a role on this special anniversary since the scientific community, of which I have been part for most of my life, owes so much to Henry, as I shall presently relate.

Our country, had so many difficult practical problems to solve in its early days, that it did not take much interest in the fundamental aspects of science, in contrast to the European countries, until the end of the nineteenth century, that is, about a hundred years ago when it created what was then called the National Bureau of Standards. Even this step had a very practical aspect since we were encouraging exports and wanted to be in tune with standards of manufacture internationally as well as at home. It is true that we did have the closely linked Smithsonian Institution and National Academy of Sciences at that time. However their existence was in the last analysis tied closely to the unsolicited gift in 1832 of James Smithson, an English scientist who admired the promises for the future of mankind that our republic offered. Moreover, he felt that it was inevitable that we would eventually become deeply involved in the pursuit of basic science.

Even though our country did not encourage the development of the basic sciences until the century we are now leaving behind, we did manage to produce from our own soil a few world-class scientists, including four truly great physicists, not least Joseph Henry, during the previous two centuries. I would like to say a few words about each.

The first was no less a person than Benjamin Franklin, born in Boston in 1706, but more generally linked to Philadelphia, his adopted home. We all know about the experiment with lightning and the kite and his research with lightning arrestors, however, this is only part of the story. He discovered, as a result of extensive correspondence, that our continental weather tends to have a